

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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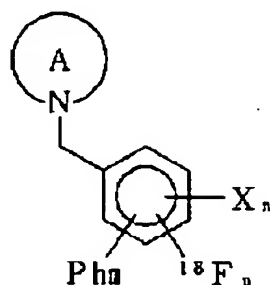
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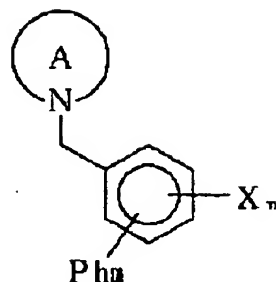
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A61K 51/00 C07D233/90 C07D403/10

TITLE : N1-(8F)FLUOROBENZYL  
HETEROCYCLIC COMPOUND AND ITS  
PRODUCTION



I



II

ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject new compound having an angiotensin II receptor- antagonizing action, having a [ $^{18}F$ ] fluoro group introduced therinto, and useful for labeling reagents for positive electron radiation tomography.

SOLUTION: This compound is expressed by the formula I [the ring A is a (substituted) (condensed) imidazole ring; X is a substituent; Ph is (substituted) phenyl; (m) is 0, 1; (n) is 0-3; (p) is 1, 2], for example, 1-(4-butoxy-3-[ $^{18}F$ ]fluorobenzyl)-2-butyl-4-chloro-imidazole-5-acetic acid. The compound of formula I is obtained by reacting a compound of formula II with a [ $^{18}F$ ] electrophilic fluorinating agent such as [ $^{18}F$ ] acetylhypofluorite e.g. in a reaction solvent such as a chlorofluorocarbon compound or (trifluoro)acetic acid.

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